

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A dumb gateway Gateway device [[(3; 4)]] for connecting a ~~respective~~ bus system [[(7; 8)]] with a common network layer [[(300)]] that is designed to build a ~~superior transparent~~ access network by connecting at least one ~~further~~ bus system [[(8; 7)]] via at least one ~~further~~ dumb gateway device [[(4; 3)]] to said common network layer [[(300)]], said dumb gateway device [[(3; 4)]] comprising:

a bus service interface [[(31; 41)]] configured to access all functionality and commands of a ~~further~~ said bus system [[(8; 7)]] via said common network layer [[(300)]] from an intelligent gateway [[(1)]] connected to said common network layer within said superior network.

Claim 2 (Currently Amended): A dumb gateway Gateway device according to claim 1, ~~characterized in that wherein~~ said bus service interface [[(31; 41)]] is able to post bus events on said common network layer [[(300)]] in case a device [[(5; 6)]] within said respective bus system [[(7; 8)]] indicates the possibility to communicate via said common network layer [[(300)]].

Claim 3 (Currently Amended): A dumb gateway Gateway device according to claim 1, ~~characterized in that wherein~~ said bus service interface [[(31; 41)]] is usable by a device presenter [[(12, 13; 14)]] to communicate with the corresponding real device [[(5; 6)]] connected to said respective bus system [[(7; 8)]].

Claim 4 (Currently Amended): A dumb gateway Gateway device according to claim 1, ~~characterized in that wherein~~ said bus service interface [[(31; 41)]] is able to represent a

virtual device [[(32; 42)]] to its respective bus system [[(7; 8)]] based on a corresponding device emulator [[(15; 16)]].

Claim 5 (Currently Amended): A dumb gateway Gateway device according to claim 1, ~~characterized in that~~ wherein said bus service interface [[(31; 41)]] communicates via said common network layer [[(300)]] according to the Universal Plug and Play protocol set.

Claim 6 (Currently Amended): A dumb gateway Gateway device according to claim 1, ~~characterized in that by an~~ wherein said intelligent gateway ~~for communicating between~~ communicates with said dumb gateway devieses device [[(3;4)]], which respectively ~~connect~~ connects to a respective bus system [[(7;8)]], ~~which comprises that includes~~ at least one physical device [[(5;6)]], with a common network layer [[(300)]], comprising a static or dynamic possibility to provide at least one device presenter [[(12, 13; 14)]] and/or at least one device emulator [[(16;15)]] of at least one physical device [[(5;6)]] to said common network layer [[(300)]].

Claim 7 (Currently Amended): An intelligent Intelligent gateway [[(1)]] for communicating between gateway devices [[(3; 4)]], which respectively connect to a respective bus system [[(7; 8)]], ~~which comprises that includes~~ at least one physical device [[(5; 6)]], with a common network layer [[(300)]], comprising:
a static or dynamic possibility to provide at least one device presenter [[(12, 13; 14)]] and/or at least one device emulator [[(16; 15)]] of at least one physical device [[(5; 6)]] to said common network layer [[(300)]].

Claim 8 (Currently Amended): An intelligent Intelligent gateway according to claim 7, characterized by wherein a device manager [[(11)]] that monitors bus events for new devices, which are posted on said common network layer [[(300)]], and finds, loads and assigns corresponding device presenters and/or emulators.

Claim 9 (Currently Amended): An intelligent Intelligent gateway according to claim 8, characterized in that wherein said device manager [[(11)]] loads device presenters and/or emulators from external sources.

Claim 10 (Currently Amended): An intelligent Intelligent gateway according to claim 7, characterized in that further comprising:

a device presenter presents configured to present a real device on a bus system as a generic abstract device or service.

Claim 11 (Currently Amended): An intelligent Intelligent gateway according to claim 7, characterized in that further comprising:

a device emulator emulates configured to emulate a device on a bus system based on a generic abstract device or service presentation.

Claim 12 (Currently Amended): An intelligent Intelligent gateway according to claim 10, characterized in that wherein said generic abstract device or service presentation is a presentation according to the Universal Plug and Play protocol set.

Claim 13 (Currently Amended): An transparent access Superior network that integrates at least two bus systems, each of which comprises a respective gateway device according to claim 1, comprising:

at least one intelligent gateway for communicating between gateway devices [[(3;4)]], which respectively connect to a respective bus system [[(7;8)]], ~~which comprises said at least on gateway including~~ at least one physical device [[(5;6)]], with a common network layer [[(300)]], ~~comprising including~~ a static or dynamic possibility to provide at least one device presenter [[(12, 13; 14)]] and/or at least one device emulator [[(16;15)]] of at least one physical device (5;6) to said common network layer [[(300)]], and said common network layer [[(300)]] being connected to the respective gateways and said at least one intelligent gateway.